



SLW, as well as SLW driven propulsion via an all-electronic engine, and for underwater communications. Scalar Wave Driven Energy Applications offers a unique solution for students, researchers, and engineers seeking a viable alternative to traditional approaches for energy production.

A revision of the defining book covering the physics and classical mathematics necessary to understand electromagnetic fields in materials and at surfaces and interfaces. The third edition has been revised to address the changes in emphasis and applications that have occurred in the past twenty years.

This book covers the principles and practices behind the Magnetic Confinement Fusion (MCF) approach to driven new source of energy. All possible technical methods, including well established theoretical research, as well as findings tested in an experimental tokamak reactor, are examined in order to determine how to best achieve breakeven via this pathway to plasma-driven fusion. The author undertakes a life cycle analysis to compare and contrast the efficiency, environmental impacts, and operating costs of plasma-driven MCF fusion against other forms of energy generation currently in widespread use. The associated computer code and numerical analysis are included in the book. No prior knowledge of MCF and no more than basic background in plasma physics is required.

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